Performance Data Sheet

AWA7512ZXT

General Information

Model	AWA7512ZXT	**Refrigerant**	R-404A
Test Condition	ARI	**Performance Test Voltage**	230V 3~ 60HZ
Return Gas	4.4°C (40°F) RETURN GAS	**Motor Type**	3PH

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
-10	Btu/h	9140	7350	5960	4850	3900	2990	2010
	Watts	1250	1230	1200	1160	1120	1060	1010
	Amps	4.83	4.76	4.70	4.65	4.60	4.53	4.44
	Lb/h	156	133	117	105	94.1	81.8	65.3
-5	Btu/h	10800	8830	7280	6010	4910	3850	2710
	Watts	1340	1340	1320	1300	1270	1230	1190
	Amps	5.07	5.01	4.96	4.92	4.88	4.83	4.77
	Lb/h	186	162	144	131	119	106	88.6
0	Btu/h	12600	10500	8740	7300	6030	4800	3490
	Watts	1440	1440	1440	1430	1410	1390	1370
	Amps	5.30	5.25	5.21	5.18	5.16	5.13	5.08
	Lb/h	219	193	174	160	147	133	115
5	Btu/h	14600	12200	10300	8710	7250	5840	4350
	Watts	1550	1550	1560	1550	1550	1540	1530
	Amps	5.53	5.48	5.45	5.43	5.42	5.41	5.38
	Lb/h	253	226	207	191	177	163	144
10	Btu/h	16700	14200	12100	10200	8570	6960	5290
	Watts	1650	1660	1670	1680	1680	1690	1690
	Amps	5.75	5.71	5.68	5.68	5.68	5.69	5.68
	Lb/h	291	263	242	225	211	195	176
15	Btu/h	18900	16200	13900	11900	9990	8170	6290
	Watts	1750	1770	1780	1800	1810	1820	1840
	Amps	5.98	5.93	5.92	5.93	5.94	5.96	5.97
	Lb/h	331	302	280	263	247	231	212
20	Btu/h	21300	18400	15800	13600	11500	9460	7360
	Watts	1860	1880	1900	1910	1930	1950	1970
	Amps	6.20	6.16	6.15	6.17	6.20	6.23	6.26
	Lb/h	374	343	321	303	287	270	250
25	Btu/h	23900	20700	17900	15400	13100	10800	8490
	Watts	1970	1990	2000	2020	2040	2070	2100
	Amps	6.43	6.39	6.39	6.42	6.46	6.51	6.55
	Lb/h	419	388	365	346	329	312	292

30	Btu/h	26600	23100	20100	17400	14800	12300	9670
	Watts	2080	2090	2110	2130	2150	2180	2210
	Amps	6.66	6.63	6.64	6.67	6.72	6.79	6.85
	Lb/h	468	436	412	392	375	358	337

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	5.805398E+04	1.063260E+03	7.665869E+00	1.006237E+03
C2	6.763412E+02	1.828998E+01	5.432718E-02	9.652988E+00
C3	-1.026057E+03	1.018065E+01	-6.158511E-02	-1.960325E+01
C4	5.268590E+00	3.555128E-01	-2.381146E-05	3.955201E-02
C5	-3.844700E+00	-9.734540E-02	-3.203474E-04	-4.680727E-02
C6	7.289850E+00	-8.193344E-02	5.248457E-04	1.585083E-01
C7	-5.893793E-03	-5.496739E-04	3.334125E-06	9.622402E-05
C8	-2.645500E-02	-3.861087E-03	-1.143308E-06	1.408252E-04
C9	1.333580E-03	1.512122E-03	2.652020E-06	1.245308E-04
C10	-1.960361E-02	1.763693E-04	-1.549303E-06	-4.568894E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature